

**DETAILED ACTION**

1. This communication is responsive to the amendment filed 03/27/2008 and the telephonic interview on 06/20/2008.

Claims 1, 2, 4-7, 11-15, and 17-22 have been examined and allowed.

2. **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert A. Madayag (Registration No. 57,355) on 06/20/2008.

**The application has been amended as follows:**

**In the Claims:**

**This listing of claims will replace all prior versions, and listings, of claims in the application:**

1. (Currently amended) A system for executing a function in a second process from a first process, comprising:

a processor;

a computer readable storage medium in communication with the processor; and

a function controller, wherein the function controller is configured to:

allocate space in [[a]] the second process from [[a]] the first process;

write a stub function into the allocated space in the second process; and

pass a single parameter to the stub function written into the allocated space in the second process, the single parameter identifying the function within the second process to execute, and at least one parameter required by the function to execute, wherein the first process controls the second process by executing the stub function, wherein the result of executing the function to execute is returned to the first process by providing a pointer to the first process, the pointer pointing to stored data, the stored data comprising the result of executing the function to execute, and wherein the pointer is configured to point to memory in the second process.

2. (Previously presented) The system of claim 1, wherein the function controller is further configured to return the result of execution of the function to the first process.
3. (Canceled)
4. (Original) The system of claim 1, wherein the function within the second process to execute requires a plurality of parameters.
5. (Original) The system of claim 1, wherein the single parameter passed to the stub function comprises a pointer to a location in memory in the second process.
6. (Currently amended) The system of claim 5, wherein the location in the memory comprises an address, the address comprising the location of the function to execute in the second process.
7. (Original) The system of claim 6, wherein the address comprises the location of at least one parameter required by the function to execute.
- 8.-10 (Canceled)
11. (Currently amended) A method for a first process to control a second process [[a]], wherein said method is performed on a computer, the method comprising:  
  
allocating space within the second process from the first process;

writing a stub function into the allocated space within the second process; and  
~~identifying to the stub function the function in the second process to execute by~~  
~~passing information to the stub function, wherein the first process controls the second~~  
~~process by executing the stub function.~~

passing a single parameter to the stub function written into the allocated space in  
the second process, the single parameter identifying the function within the second  
process to execute, and at least one parameter required by the function to execute,  
wherein the first process controls the second process by executing the stub function,  
wherein the result of executing the function to execute is returned to the first process by  
providing a pointer to the first process, the pointer pointing to stored data, the stored data  
comprising the result of executing the function to execute, and wherein the pointer is  
configured to point to memory in the second process.

12. (Currently amended ) The method of claim 11, wherein the ~~information~~ single  
parameter passed to the stub function comprises an address in memory within the second  
process.

13. (Original) The method of claim 11, wherein the function in the second process to  
be executed by the stub function in the second process is identified by providing a pointer  
to a location in memory in the second process at which the function to be executed is  
stored.

14. (Original) The method of claim 13, wherein at least one parameter required by the function to be executed is identified by providing an offset from the location in memory at which the function to be executed is stored.
15. (Original) The method of claim 13, further comprising receiving from the stub function in the second process a result of executing the function identified by the pointer to the location in memory.
16. (Canceled)
17. (Original) The method of claim 13, wherein the stub function is executed by creating a thread in the second process to execute the stub function.
18. (Currently amended) A computer-readable storage medium having computer-executable instructions for a first process to cause the execution of a function within a second process stored thereon, the computer-executable instructions comprising instructions for:

allocating space within the second process from the first process;

writing a stub function into the allocated space within the second process; and  
~~identifying to the stub function a function to execute in the second process by passing the~~  
~~stub function a single parameter, the parameter comprising a pointer to an address in~~

~~memory in the second process, wherein the first process controls the second process by  
executing the stub function:~~

passing a single parameter to the stub function written into the allocated space in  
the second process, the single parameter identifying the function within the second  
process to execute, and at least one parameter required by the function to execute,  
wherein the first process controls the second process by executing the stub function,  
wherein the result of executing the function to execute is returned to the first process by  
providing a pointer to the first process, the pointer pointing to stored data, the stored data  
comprising the result of executing the function to execute, and wherein the pointer is  
configured to point to memory in the second process.

19. (Currently amended) The computer-readable storage medium of claim 18, further comprising instructions for receiving from the stub function [[a]] the result of executing the function in the second process.

20. (Previously presented) The computer-readable storage medium of claim 18, wherein the function to execute requires a plurality of input parameters.

21. (Currently amended) The computer-readable storage medium of claim 20, wherein the sub function initializes the plurality of input parameters to values located at specified offsets from the address in the memory pointed to by the pointer.

22. (Previously presented) The computer-readable storage medium of claim 19, wherein the result of executing the function in the second process is stored at a location received from the stub function as an output parameter.

3. **REASONS FOR ALLOWANCE:**

Claims 1, 2, 4-7, 11-15, and 17-22 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in independent Claims 1, 11, and 18.

The features as recited in independent Claims 1, 11, and 18 *“passing a single parameter to the stub function written into the allocated space in the second process, the single parameter identifying the function within the second process to execute, and at least one parameter required by the function to execute, wherein the first process controls the second process by executing the stub function, wherein the result of executing the function to execute is returned to the first process by providing a pointer to the first process, the pointer pointing to stored data, the stored data comprising the result of executing the function to execute, and wherein the pointer is configured to point to*

*memory in the second process*", when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### 4. **ADDITIONAL REFERENCES**

The Examiner as of general interest cites the following references:

U.S. Pat. No. 6901596

U.S. Pat. No. 6751798

U.S. Pat. No. 6728788

U.S. Pat. No. 6289391

U.S. Pat. No. 6108715

U.S. Pat. No. 5915112



### **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MENG-AI AN can be reached at (571) 272-3756.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**/VAN H NGUYEN/  
Primary Examiner, Art Unit 2194**

